

**Atlanta Regional Commission  
Atlanta MPO-Transportation Coordinating Committee**

# **Metro Atlanta Managed Lanes System Plan**

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# Agenda

- Managed Lanes Overview
- Metro Atlanta Managed Lanes System Plan Summary
  - Related Study Efforts
  - Goals
  - Potential Strategies
  - Next Steps

# What is a Managed Lane?

*Managed lanes* are “highway facilities or a set of lanes in which operational strategies are implemented and managed (*in real time*) in response to changing conditions.”



# Benefits of Managed Lanes

- Enables Sustained/Protected Mobility
- Manage Demand
- Trip Reliability
- Offer Travel Options in a Congested Corridor
- Broaden Funding and Revenue Strategies
  - Could allow quicker construction vs. traditional funding methods

## Managed Lane Strategies May Include:

- High Occupancy Toll Lanes (*HOT*)
- Express Toll Lanes (*ETL*)
- Truck Only Toll Lanes (*TOT*)
- Bus Rapid Transit Lanes (*BRT*)
- Combination of any of the above (*Mixed*)

# Managed Lane System Plan

- 2002 HOV System Plan
- HOV Lanes are 'static'
- Managed Lanes are 'flexible'
- Managed Lanes tolls are a demand mgmt tool, while offering partial assistance to project implementation





# Managed Lane System Plan

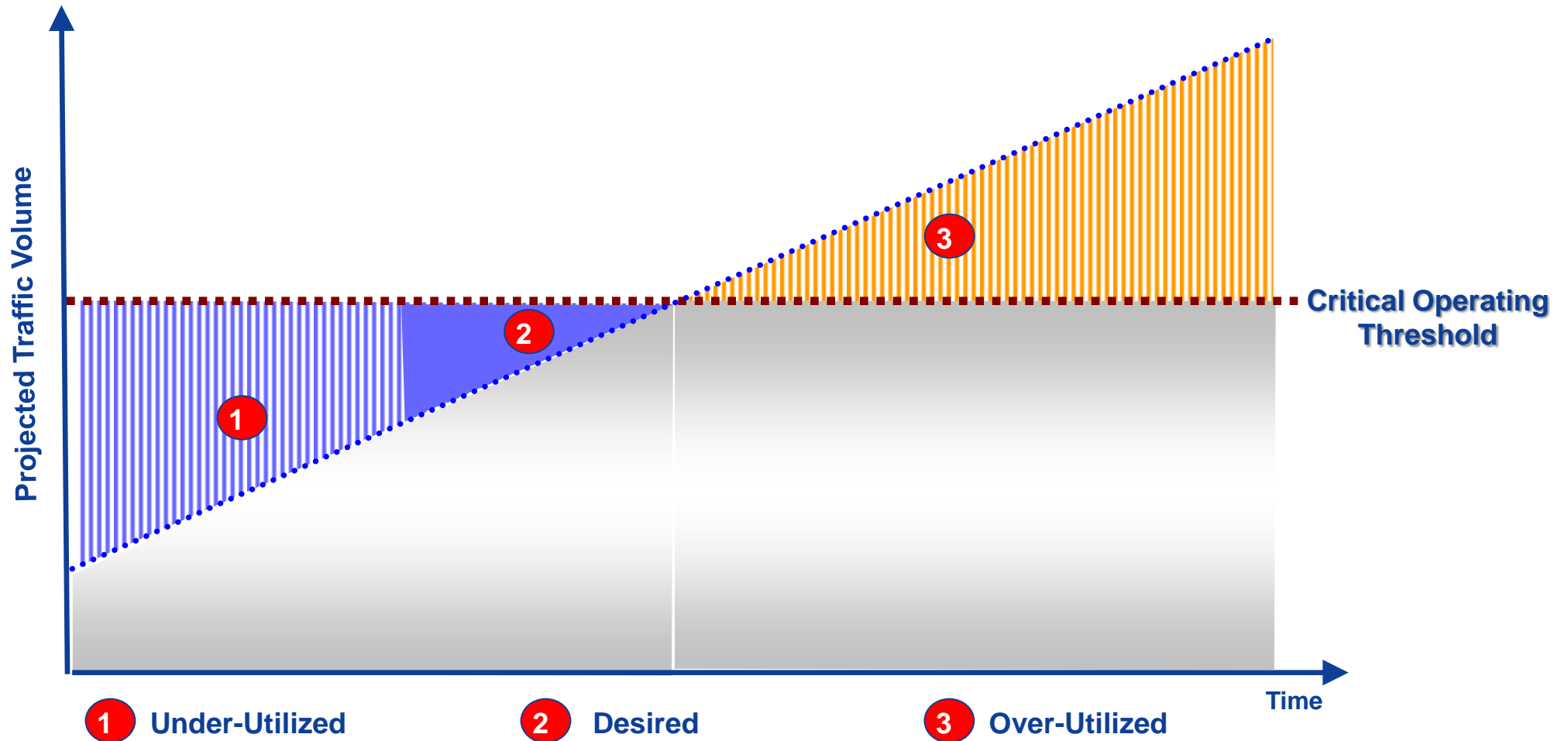
Began: January 2007

The mission of the Managed Lanes System Plan:

- **Identify** a specific managed lane strategy for each appropriate Atlanta freeway corridor (Underway)
- **Develop** corresponding preliminary concepts and costs (Underway)
- **Determine** potential tolling strategies; and (Underway)
- **Recommend** a managed lane implementation priority. (Fall 2008)

Completion: December 2008

# HOV Lane Performance Not Optimized





# Managed Lane System Plan – Phase I

- Determine demand for various managed lane investments
  - Data Collection
    - Identify Customers by corridor (SOVs; HOVs; Transit; Trucks)
    - Stated Preference Surveys
    - Determine Vehicle Occupancy Rates
    - Traffic Counts
  - Build upon ARC's (Envision 6) Travel Demand Model
  - Coordinate with other studies/initiatives



# Managed Lane System Plan --

## Coordination with other Studies & Initiatives

### GDOT

- Truck-Only Lane Study
- I-285 Strategic Implementation Plan
- HOV System Plan
- Metro Atlanta Radial Freeway Plan
- “Revive 285”
- State Route 400/365 Study

### SRTA

- I-75 South Value Pricing
- GA 400 Value Pricing
- High Occupancy Toll/Truck Only Toll Study

### ARC

- Freight Mobility Plan
- Managed Lane Policy
- Envision 6

### Public Private Partnership Submittals

- State Route 316
- I-75/I-575 NW Corridor
- State Route 400
- I-285 NW Truck-Only Toll Lanes
- I-20 Managed Lanes Corridor

## Managed Lane System Plan – Phase II

- Analyze various Managed Lane alternatives to optimize strategy selection
  - HOT
  - TOT
  - ETL
  - Mixed
- Develop customized corridor investment strategies
- Determine effect of pricing on demand

## Managed Lane System Plan – Phase III

- Determine Corridor Performance
  - Develop Traffic and Revenue Studies
  - Identify Operational Features
    - Location of Facility (inside/outside existing alignment)
    - Number of Lanes
    - Access Points
    - Barrier vs. Buffer Separated

## Managed Lane System Plan – Phase III

- Determine Corridor Performance (*cont'd.*)
  - Develop Potential Projects and Costs
    - Needed Improvements
    - Right-of-Way Impacts
    - Constructability
    - Environmental/Community Issues (planning/high-level scan)

## Managed Lane System Plan – Phase III

- Upcoming Activities
  - Test individual corridor strategies in combination
  - Consider financing impacts
  - Develop Strategic Implementation Plan
- Continue Coordinating with transportation planning partners through Advisory Committee

# Questions?